Guantao Xuan

List of Publications by Year
in descending order

14 papers	316 citations
840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations
14 times ranked	186 citing authors

#	Article	IF	Citations
1	Real-time hyperspectral imaging for the in-field estimation of strawberry ripeness with deep learning. Artificial Intelligence in Agriculture, 2020, 4, 31-38.	6.0	72
2	Maturity determination at harvest and spatial assessment of moisture content in okra using Vis-NIR hyperspectral imaging. Postharvest Biology and Technology, 2021, 180, 111597.	6.0	27
3	Determination of the bruise degree for cherry using Vis-NIR reflection spectroscopy coupled with multivariate analysis. PLoS ONE, 2019, 14, e0222633.	2.5	26
4	A new quantitative index for the assessment of tomato quality using Vis-NIR hyperspectral imaging. Food Chemistry, 2022, 386, 132864.	8.2	26
5	Assessment of Strawberry Ripeness Using Hyperspectral Imaging. Analytical Letters, 2021, 54, 1547-1560.	1.8	25
6	Apple Detection in Natural Environment Using Deep Learning Algorithms. IEEE Access, 2020, 8, 216772-216780.	4.2	22
7	Spectral and image analysis of hyperspectral data for internal and external quality assessment of peach fruit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 272, 121016.	3.9	22
8	Application of hyperspectral imaging for spatial prediction of soluble solid content in sweet potato. RSC Advances, 2020, 10, 33148-33154.	3.6	19
9	In-field and non-invasive determination of internal quality and ripeness stages of Feicheng peach using a portable hyperspectral imager. Biosystems Engineering, 2021, 212, 115-125.	4.3	15
10	Hyperspectral imaging for non-destructive detection of honey adulteration. Vibrational Spectroscopy, 2022, 118, 103340.	2.2	15
11	Early diagnosis and pathogenesis monitoring of wheat powdery mildew caused by blumeria graminis using hyperspectral imaging. Computers and Electronics in Agriculture, 2022, 197, 106921.	7.7	15
12	Identification of adulterated cooked millet flour with Hyperspectral Imaging Analysis. IFAC-PapersOnLine, 2018, 51, 96-101.	0.9	12
13	Soluble solids content monitoring for shelf-life assessment of table grapes coated with chitosan using hyperspectral imaging. Infrared Physics and Technology, 2021, 115, 103725.	2.9	12
14	Detection of adulterants and authenticity discrimination for coarse grain flours using NIR hyperspectral imaging. Journal of Food Process Engineering, 2019, 42, e13265.	2.9	8